

COMPARISON OF SCLERAL FIXATED INTRAOCULAR LENS WITH RETROPUPILLARY IRIS CLAW INTRAOCULAR LENS IMPLANTATION IN TERMS OF VISUAL OUTCOME AND COMPLICATIONS.

ABSTRACT

Background- to compare the visual outcome and complications of scleral fixated intraocular lens with retropupillary iris claw lens implantation.

Methods – prospective interventional study conducted at RIOGOH for 1 year .50 patients were selected based on inclusion criteria and allocated into 2 groups – GROUP A(SFIOL)& GROUP-B (IRIS CLAW LENS)

Results - 88% of patients in group B and 56% in GROUP A improved to visual acuity > 6/18 .Mean IOP in both groups was same. Duration of surgery in GROUP A(SFIOL) was prolonged than GROUP B(IRIS CLAW LENS).Complication rate was high in the SFIOL group and suture related complications was more in this group than IRIS CLAW GROUP.Alteration in pupil shape was present in few cases of IRIS CLAW group.

Conclusion – Both SFIOL and IRIS claw implantation are safe and effective techniques .But best visual outcome and reduced complication rate is achieved in GROUP B. Complications like iritis , vitritis, CME are more observed in GROUP A than GROUP B and this can be attributed to prolonged duration of surgery in GROUP A .the success rate was 88% in GROUP B compared to 56% in GROUP A.This also can be attributed to the ease of lens implantation and reduced duration of surgery and absence of suture related

KEY WORDS – Retropupillary iris claw lens implantation, scleral fixated intraocular lens implantation , aphakia.